

CHAPTER 55



MISSILE TECHNICIAN (MT)

NAVPERS 18068-55E

CH-58

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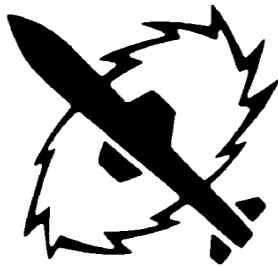
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NAVY ENLISTED OCCUPATIONAL STANDARD

FOR

MISSILE TECHNICIAN (MT)



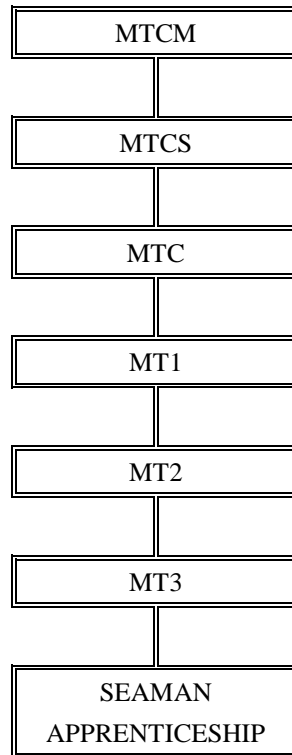
SCOPE OF RATING

Missile Technicians (MT) perform organizational and intermediate level maintenance on the Strategic Weapons System (SWS) on Ballistic Missile Submarines (SSBN) or the Attack Weapons System (AWS) on Guided Missile Submarines (SSGN); operate and maintain ballistic missile fire control systems, guidance subsystems, associated guidance subsystem test equipment, missile and launcher components, and ancillary equipment; operate and perform maintenance on SWS and AWS systems; operate, test, and repair associated ship and weapon subsystem test equipment, and test and handling equipment.

These Occupational Standards are to be incorporated in Volume I, Part B, of the Manual of Navy Enlisted Manpower and Personnel Classifications and Occupational Standards (NAVPERS 18068F) as Chapter 55.

GENERAL INFORMATION

CAREER PATTERN



Normal path of advancement to Chief Warrant Officer and Limited Duty Officer categories can be found in OPNAVINST 1420.1.

For rating entry requirements, refer to MILPERSMAN 1306-618.

SAFETY

The observance of Operational Risk Management (ORM) and proper safety precautions in all areas is an integral part of each billet and the responsibility of every Sailor; therefore, it is a universal requirement for all ratings.

Job Title**Strategic Weapons Manager****Job Code****001552****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

STRATEGIC WEAPONS MANAGER

Short Title (10 Characters)

ST WEP MGR

Pay Plan

Enlisted

Career Field

MT

Other Relationships and Rules

NEC 1591, 2781, 3303, 3312, 3320, 3349, 3350, 3375, 3397

Job Description

Strategic Weapons Managers manage divisional operations, maintenance, training, and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship**Group Title**Missile Guidance
and Control**DoD Code**

112100

O*NET Relationship**Occupation Title**First-Line Supervisors/Managers of
Mechanics, Installers, and Repairers**SOC Code**

49-1011.00

Job FamilyInstallation, Maintenance, and
Repair**Skills***Monitoring**Reading Comprehension**Coordination**Critical Thinking**Management of Personnel Resources**Systems Evaluation**Quality Control Analysis**Judgment and Decision Making**Writing**Instructing***Abilities***Problem Sensitivity**Inductive Reasoning**Written Comprehension**Information Ordering**Written Expression**Auditory Attention**Time Sharing**Fluency of Ideas**Oral Expression**Selective Attention***COUNTDOWN OPERATIONS****Pavgrade**

E6

Task

CORE

Task Statements

Administer weapons system training countdown scenarios

E6

CORE

Create weapons system training countdown scenarios

E7

CORE

Evaluate weapons system training countdowns

E7

CORE

Perform Control and Monitoring Panel (CAMP) countdown operations

E7

CORE

Perform Strategic Weapons System (SWS) Announcer watchstation countdown operations

E7

CORE

Supervise weapons system training countdowns

DATA OPERATIONS**Pavgrade**

E7

Task

CORE

Task Statements

Supervise targeting evolutions

MAINTENANCE

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E7	CORE	Assess performance of weapons system operations and maintenance personnel
E7	CORE	Monitor weapons system operations and maintenance
E6	CORE	Sequence Strategic Weapons System (SWS) operations and maintenance evolutions
E7	CORE	Supervise weapons system manual troubleshooting

NUCLEAR WEAPONS SAFETY AND SECURITY

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E7	CORE	Direct nuclear weapons accidents or incidents control and recovery operations
E5	CORE	Manage nuclear weapons security programs

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E7	NON-CORE	Approve Maintenance and Material Management (3-M) program plans
E7	CORE	Approve Preventive Maintenance Management Program (PMMP) plans
E7	CORE	Approve weapons system availability plans
E7	CORE	Approve weapons system log entries
E7	CORE	Approve weapons system pre-deployment training schedules
E7	CORE	Approve weapons system Trouble and Failure Reports (TFR)
E6	CORE	Audit missile service logs
E6	CORE	Audit Preventive Maintenance Management Programs (PMMP)
E7	CORE	Audit Special Weapons Ordnance Pamphlet (SWOP) Program
E6	CORE	Coordinate shipboard weapons system maintenance activities
E6	NON-CORE	Coordinate with Strategic Weapons System (SWS) support activities for upgrades, maintenance, training, and testing evolutions
E6	CORE	Create simulator training scenarios
E7	CORE	Develop weapons system manual troubleshooting plans
E5	CORE	Direct Preventive Maintenance Management Program (PMMP) activities
E7	CORE	Establish security practices and performance standards
E7	CORE	Evaluate ship-wide conditions effects on Strategic Weapons System (SWS) readiness
E7	CORE	Evaluate ship-wide evolution effects on weapons system operations and maintenance
E6	NON-CORE	Manage Maintenance and Material Management (3-M) programs
E7	CORE	Manage nuclear weapons safety administration programs
E7	CORE	Manage ordnance qualification and certification programs
E6	CORE	Manage Preventive Maintenance Management Programs (PMMP)
E7	CORE	Manage Strategic Weapons System (SWS) Continuing Training and Qualification Software (CTQS) programs

E6	CORE	Manage Strategic Weapons System (SWS) conventional ordnance weapons programs
E6	CORE	Plan Strategic Weapons System (SWS) patrols
E6	CORE	Plan weapons system availabilities
E6	CORE	Plan weapons system pre-deployment training periods
E6	CORE	Prepare Strategic Weapons System (SWS) reports
E6	CORE	Prepare weapons system manual troubleshooting plans
E6	CORE	Verify Strategic Weapons System (SWS) paper and electronic documentation changes

TECHNICAL OPERATIONS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E7	CORE	Manage Explosive Handling Wharf (EHW) operations
E6	CORE	Supervise conventional ordnance events

Job Title**Strategic Weapons Technician****Job Code****001562****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

STRATEGIC WEAPONS TECHNICIAN

Short Title (10 Characters)

ST WEP TEC

Pay Plan

Enlisted

Career Field

MT

Other Relationships and Rules

NEC 1591, 2781, 3303, 3312, 3320, 3349, 3350, 3397

Job Description

Strategic Weapons Technicians supervise divisional operations, maintenance, training, and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship**O*NET Relationship****Group Title**Missile Guidance
and Control**DoD Code**

112100

Occupation Title

Maintenance Workers, Machinery

SOC Code

49-9043.00

Job FamilyInstallation, Maintenance, and
Repair**Skills***Operation and Control**Reading Comprehension**Equipment Maintenance**Monitoring**Coordination**Troubleshooting**Judgment and Decision Making**Installation**Active Listening**Quality Control Analysis***Abilities***Manual Dexterity**Written Comprehension**Problem Sensitivity**Speech Recognition**Selective Attention**Auditory Attention**Oral Expression**Memorization**Oral Comprehension**Information Ordering***CONFIGURATION****Paygrade**

E4

Task

CORE

Task Statements

Configure electrical power to weapons systems and Strategic Weapons System (SWS) ship support system equipment in the Missile Compartment (MC)

E4

CORE

Configure Fire Control (FC) power equipment

E4

CORE

Configure Missile Control Center (MCC) equipment cooling system

E4

CORE

Configure Strategic Weapons System (SWS) Fire Control (FC) subsystems

E4

CORE

Inspect Missile Compartment (MC) maintenance areas

E4

CORE

Line-up missile tube hydraulic system

E4

NON-CORE

Operate air system components

E4

NON-CORE

Operate hydraulic system components

E4

NON-CORE

Operate manually-controlled valves

E4

NON-CORE

Operate Missile Compartment (MC) Launcher equipment

E4

NON-CORE

Operate pneumatically-controlled valves

E4

NON-CORE

Operate submarine emergency life support systems

E4

NON-CORE

Operate submarine habitability systems

E4

NON-CORE

Override hydraulically-controlled valves

E4

CORE

Set weapons system conditions of readiness

E4	CORE	Verify Missile Gas (MG) system conditions (nitrogen charge, readiness, portable flask charging)
E5	CORE	Verify weapons system conditions of readiness

COUNTDOWN OPERATIONS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E5	CORE	Perform Fire Control (FC) supervisor countdown operations
E4	CORE	Perform Missile Compartment (MC) countdown operations (Guidance, Second Level)
E4	CORE	Perform Missile Control Center (MCC) countdown operations

DATA OPERATIONS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	NON-CORE	Assist in data management operations
E4	CORE	Enter Fire Control System (FCS) data
E5	CORE	Perform Fire Control System (FCS) data entry procedures
E5	CORE	Perform targeting operations procedures
E5	CORE	Print Fire Control System (FCS) data
E5	CORE	Supervise Fire Control System (FCS) data management operations
E5	CORE	Supervise weapons system media operations

MAINTENANCE

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	CORE	Adjust air system components
E4	CORE	Adjust hydraulic system components
E5	CORE	Adjust weapons system electrical components
E5	CORE	Adjust weapons system mechanical components (shipboard valves, pumps, actuators)
E4	NON-CORE	Assist in weapons system corrective maintenance
E4	NON-CORE	Assist in weapons system troubleshooting
E5	CORE	Conduct module repairs and replacements
E5	NON-CORE	Direct Maintenance and Material Management (3-M) Program
E5	CORE	Direct weapons system maintenance operations
E4	CORE	Inspect air system components
E4	CORE	Inspect hydraulic system components
E4	CORE	Lubricate weapons system equipment
E4	CORE	Preserve mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Repair air system components
E5	CORE	Repair hydraulic system components
E5	CORE	Repair mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Repair Strategic Weapons System (SWS) component cables
E5	CORE	Replace electrical components

E5	CORE	Replace mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Test air system components
E5	CORE	Test hydraulic system components
E5	CORE	Test mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Troubleshoot air system components
E5	CORE	Troubleshoot hydraulic system components
E5	CORE	Troubleshoot weapons systems (Launcher, Fire Control System (FCS))

NUCLEAR WEAPONS SAFETY AND SECURITY

<u>Pavgrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	NON-CORE	Operate emergency atmosphere control equipment
E5	CORE	Supervise nuclear weapons accidents or incidents drills
E5	CORE	Supervise nuclear weapons security practices
E6	CORE	Supervise submarine weapons casualty operations
E6	CORE	Train nuclear weapons security teams

OPERATIONAL TESTS

<u>Pavgrade</u>	<u>Task</u>	<u>Task Statements</u>
E5	CORE	Conduct at-sea missile testing
E4	CORE	Conduct closure detonator circuit testing
E5	CORE	Conduct fire control diagnostic tests
E4	CORE	Conduct in-port missile testing
E4	CORE	Conduct Missile Compartment (MC) performance checks
E4	CORE	Conduct missile tube tightness tests
E4	CORE	Conduct operational sequence tests
E4	CORE	Establish equipment configuration conditions in Guidance to support missile testing
E4	CORE	Perform Missile Heating and Cooling (MHC) hot water heater operation verification procedures

TECHNICAL ADMINISTRATION

<u>Pavgrade</u>	<u>Task</u>	<u>Task Statements</u>
E6	CORE	Coordinate simulator training sessions
E4	CORE	Inventory weapons system equipage
E5	CORE	Manage weapons system documentation programs
E5	CORE	Manage weapons system record maintenance process
E4	CORE	Retrieve electronic documentation system operations and maintenance resources
E4	NON-CORE	Utilize weapons system training products

TECHNICAL OPERATIONS

<u>Pavgrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	CORE	Conduct missile loads (offloads, onloads)
E4	CORE	Install non-ordnance missile components

E4	CORE	Install weapons system conventional ordnance components
E5	CORE	Perform Fire Control System (FCS) timing procedures
E5	CORE	Perform missile inspection reader procedures
E4	CORE	Perform missile inspection worker procedures
E6	CORE	Supervise missile tube entries
E5	CORE	Supervise non-ordnance missile component installations
E5	CORE	Supervise non-ordnance missile component removals
E6	CORE	Supervise weapons system conventional ordnance installations
E6	CORE	Supervise weapons system conventional ordnance removals

Job Title**Strategic Weapons Operator****Job Code****001567****Job Family**

Installation, Maintenance, and Repair

NOC

TBD

Short Title (30 Characters)

STRATEGIC WEAPONS OPERATOR

Short Title (10 Characters)

ST WEP OP

Pay Plan

Enlisted

Career Field

MT

Other Relationships and Rules

NEC 1591, 2781, 3303, 3312, 3320, 3349, 3350, 3397

Job Description

Strategic Weapons Operators perform organizational and intermediate maintenance as well as advanced systems operations and administrative aspects associated with the assembly, maintenance, and repair of nuclear-capable ballistic missiles and their associated advanced electronics and electro-mechanical navigation and targeting systems carried on submarines; and perform critical work functions supporting the training of assigned personnel, repair and maintenance of equipment, and employment of Strategic Weapons Systems (SWS).

DoD Relationship**O*NET Relationship****Group Title**Missile Guidance
and Control**DoD Code**

112100

Occupation TitleElectrical and Electronics Repairers,
Commercial and Industrial
Equipment**SOC Code**

49-2094.00

Job FamilyInstallation, Maintenance, and
Repair**Skills***Operation and Control**Reading Comprehension**Equipment Maintenance**Judgment and Decision Making**Coordination**Installation**Troubleshooting**Monitoring**Active Listening**Management of Material Resources***Abilities***Written Comprehension**Manual Dexterity**Speech Recognition**Selective Attention**Memorization**Problem Sensitivity**Time Sharing**Oral Comprehension**Finger Dexterity**Near Vision***CONFIGURATION****Paygrade****Task****Task Statements**

E4

CORE

Adjust missile tube heating and cooling system

E4

CORE

Configure electrical power to weapons systems and Strategic Weapon System (SWS) ship support system equipment in the Missile Compartment (MC)

E4

CORE

Configure Fire Control (FC) power equipment

E4

CORE

Configure Missile Control Center (MCC) equipment cooling system

E4

CORE

Configure Strategic Weapons System (SWS) Fire Control (FC) subsystems

E4

CORE

Dry missile tubes

E5

CORE

Grant entry to Hydraulic Security Enclosures (HSE)

E4

CORE

Inspect Missile Compartment (MC) maintenance areas

E4

CORE

Line-up missile tube hydraulic system

E4

NON-CORE

Operate air system components

E4

NON-CORE

Operate hydraulic system components

E4

NON-CORE

Operate manually-controlled valves

E4

NON-CORE

Operate Missile Compartment (MC) Launcher equipment

E4

NON-CORE

Operate pneumatically-controlled valves

E4	NON-CORE	Operate submarine emergency life support systems
E4	NON-CORE	Operate submarine habitability systems
E4	NON-CORE	Override hydraulically-controlled valves
E4	CORE	Set weapons system conditions of readiness
E4	CORE	Verify Missile Gas (MG) system conditions (nitrogen charge, readiness, portable flask charging)
E5	CORE	Verify weapons system conditions of readiness

COUNTDOWN OPERATIONS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E5	CORE	Coordinate Missile Compartment (MC) countdown operations
E7	CORE	Perform Control and Monitoring Panel (CAMP) countdown operations
E5	CORE	Perform Fire Control (FC) supervisor countdown operations
E6	CORE	Perform Launcher watchstation countdown operations
E4	CORE	Perform Missile Compartment (MC) countdown operations (Guidance, Second Level)
E4	CORE	Perform Missile Control Center (MCC) countdown operations

DATA OPERATIONS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	NON-CORE	Assist in data management operations
E4	CORE	Conduct media receipts, transfers, and verifications
E4	CORE	Enter Fire Control System (FCS) data
E4	CORE	Perform weapons system media loads

MAINTENANCE

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	CORE	Adjust air system components
E4	CORE	Adjust hydraulic system components
E5	CORE	Adjust weapons system electrical components
E5	CORE	Adjust weapons system mechanical components (shipboard valves, pumps, actuators)
E4	NON-CORE	Assist in weapons system corrective maintenance
E4	NON-CORE	Assist in weapons system troubleshooting
E4	CORE	Clean air system components
E4	CORE	Clean hydraulic system components
E4	CORE	Inspect air system components
E4	CORE	Inspect hydraulic system components
E4	CORE	Lubricate weapons system equipment
E4	CORE	Preserve mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Repair air system components
E5	CORE	Repair hydraulic system components

E5	CORE	Repair mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Replace electrical components
E5	CORE	Replace mechanical components (shipboard valves, pumps, actuators)
E5	CORE	Test air system components
E5	CORE	Test hydraulic system components
E5	CORE	Test mechanical components (shipboard valves, pumps, actuators)

NUCLEAR WEAPONS SAFETY AND SECURITY

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	CORE	Combat nuclear weapons security violations
E4	CORE	Combat submarine weapons casualties
E4	CORE	Conduct nuclear weapons accidents or incidents casualty controls and recoveries
E4	CORE	Maintain two-person control during Strategic Weapons System (SWS) operations
E4	CORE	Maintain two-person rule during Strategic Weapons System (SWS) operations
E4	NON-CORE	Operate emergency atmosphere control equipment
E4	NON-CORE	Operate portable radiation monitoring equipment
E4	CORE	Perform reader-worker routines
E4	CORE	Safeguard nuclear weapons security areas

OPERATIONAL TESTS

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E5	CORE	Conduct at-sea missile testing
E4	CORE	Conduct closure detonator circuit testing
E5	CORE	Conduct fire control diagnostic tests
E4	CORE	Conduct in-port missile testing
E4	CORE	Conduct Missile Compartment (MC) performance checks
E4	CORE	Conduct missile tube tightness tests
E4	CORE	Conduct operational sequence tests
E4	CORE	Establish equipment configuration conditions in Guidance to support missile testing
E4	CORE	Perform Missile Heating and Cooling (MHC) hot water heater operation verification procedures

TECHNICAL ADMINISTRATION

<u>Paygrade</u>	<u>Task</u>	<u>Task Statements</u>
E4	CORE	Maintain weapons system paper-based documentation
E4	CORE	Prepare Trouble and Failure Reports (TFR)
E4	CORE	Retrieve electronic documentation system operations and maintenance resources
E4	NON-CORE	Utilize weapons system training products

E4	CORE	Conduct missile loads (offloads, onloads)
E4	CORE	Install non-ordnance missile components
E4	CORE	Install weapons system conventional ordnance components
E5	CORE	Perform Fire Control System (FCS) timing procedures
E4	CORE	Perform missile tube entries
E4	CORE	Remove non-ordnance missile components
E4	CORE	Remove weapons system conventional ordnance